

WO 00/11169

PCT/US99/19072

SEQUENCE LISTING

<110> INCYTE PHARMACEUTICALS, INC.

TANG, Y. Tom

CORLEY, Neil C.

PATTERSON, Chandra

GUEGLER, Karl J.

BAUGHN, Mariah R.

<120> CELL SIGNALING PROTEINS

<130> PF-0572 PCT

<140> To Be Assigned

<141> Herewith

<150> 09/137,945; unassigned; 09/137,578; unassigned

<151> 1998-08-21; 1998-08-21; 1998-08-21; 1998-08-21

<160> 5

<170> PERL Program

<210> 1

<211> 147

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 999661

<400> 1

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Leu | Thr | Phe | Leu | Pro | Pro | Pro | Trp | Ala | Gly | Ile | Gly | Arg | Leu |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |
| Ile | Ala | Glu | Cys | His | Leu | Asn | Pro | Ile | Ile | Leu | Pro | Leu | Trp | His |
| | | | | 20 | | | | | 25 | | | | | 30 |
| Val | Gly | Glu | Pro | Gly | Asp | Gly | Asp | Arg | Glu | Met | Ala | Ser | Gly | Val |
| | | | | 35 | | | | | 40 | | | | | 45 |
| Gly | Gly | Leu | Gly | Leu | Pro | Leu | Val | Pro | Gly | Cys | Pro | Ala | Pro | Pro |
| | | | | 50 | | | | | 55 | | | | | 60 |
| His | Val | Trp | Pro | Ser | Val | His | Cys | Ala | Ala | Gly | Met | Asn | Asp | Val |
| | | | | 65 | | | | | 70 | | | | | 75 |
| Leu | Pro | Asn | Ser | Pro | Pro | Tyr | Phe | Pro | Arg | Phe | Gly | Gln | Lys | Ile |
| | | | | 80 | | | | | 85 | | | | | 90 |
| Thr | Val | Leu | Ile | Gly | Lys | Pro | Phe | Ser | Ala | Leu | Pro | Val | Leu | Glu |
| | | | | 95 | | | | | 100 | | | | | 105 |
| Arg | Leu | Arg | Ala | Glu | Asn | Lys | Ser | Ala | Val | Glu | Met | Arg | Lys | Ala |
| | | | | 110 | | | | | 115 | | | | | 120 |
| Leu | Thr | Asp | Phe | Ile | Gln | Glu | Glu | Phe | Gln | His | Leu | Lys | Thr | Gln |
| | | | | 125 | | | | | 130 | | | | | 135 |
| Ala | Glu | Gln | Leu | His | Asn | His | Leu | Gln | Pro | Gly | Arg | | | |
| | | | | 140 | | | | | 145 | | | | | |

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<210> 2
 <211> 133
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1415354

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 20 25 30
 Phe Gln Gln His His Leu His Arg Pro Glu Gly Gly Thr Cys Glu
 35 40 45
 Val Ile Ala Ala His Arg Cys Cys Asn Lys Asn Arg Ile Glu Glu
 50 55 60
 Arg Ser Gln Thr Val Lys Cys Ser Cys Leu Pro Gly Lys Val Ala
 65 70 75
 Gly Thr Thr Arg Asn Arg Pro Ser Cys Val Asp Ala Ser Ile Val
 80 85 90
 Ile Gly Lys Trp Trp Cys Glu Met Glu Pro Cys Leu Glu Gly Glu
 95 100 105
 Glu Cys Lys Thr Leu Pro Asp Asn Ser Gly Trp Met Cys Ala Thr
 110 115 120
 Gly Asn Lys Ile Lys Thr Thr Arg Ile His Pro Arg Thr
 125 130

<210> 3
 <211> 1705
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte Clone No: 999661

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 ccccgagaat gggtactgat agggagaggg cttttccttg caggagatgg cgtctaccag 180
 aaggggatgg acttcatttt ggagaagctc aaccatgggg actgggtgca tatcttccca 240
 gaaggtcagc agggctgact gggtcgagcc cccccagtat gagcgggatg ggctcccaag 300
 cctcgctctc gtgctctctc accagggaaa gtgaacatga gttccgaatt cctgcgtttc 360
 aagtggggta agggctgctg gtctctggcc acagccatcc tcccggccca gagatggccc 420
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 gcttggtcca gggcccagct tatgctaaca tttctacctc cccctggggc aggaatcggg 660
 cgcctgattg ctgagtgtca tctcaacccc atcatcctgc ccctgtggca tgtcgggtgag 720
 cctggggacg gggacagaga gatggcatct ggggtggggg gcctgggact ccctctggtc 780
 ccaggctgcc ctgctccacc ccacgtctgg cctctgtcc actgtgctgc aggaatgaat 840
 gacgtccttc ctaacagtcc gccctacttc ccccgctttg gacagaaaat cactgtgctg 900

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actcaggcag agcagctcca caaccacctc cagcctggga gataggcctt gcttgctgcc 1080
ttctggattc ttggcccga cagagctggg gctgagggat ggactgatgc ttttagctca 1140
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gcctgaggtc tggctgcttg ccccatgct ggcccaaca acttctccat ctttctgcc 1620
tctcaacatc acttgaatcc tagggcctgg gttttcatgt ttttgaaaca gaaccataaa 1680
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<210> 4

<211> 812

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1415354

<400> 4

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aggtgaaaat gacaagggtt ccacccctca aaccttggct ctttttctga caatacagtc 180
tgaatgaacc cgatgtcttt ttttttactg tggaaatagg atcggaagag agtaacattt 240
tttttttaat cctgataaag aagattgttg ggaagctctt tgaaaaaaa ttttaaattg 300
tggcacagat ggatttttaa aagtgttaga tctttccaat gaacactaat agagtactct 360
gctcttggct ggatttttca gagaatggca atgggtctct cgatgtcctg ggtcctgtat 420
ttgtggataa gtgcttgtgc aatgctactc tgccatggat cccttcagca cactttccag 480
cagcatcacc tgcacagacc agaaggaggg acgtgtgaag tgatagcagc acaccgatgt 540
tgtaacaaga atcgcatgga ggagcgggtc caaacagtaa agtgttcctg tctacctgga 600
aaagtggctg gaacaacaag aaaccggcct tcttgctcgt atgcctccat agtgattggg 660
aaatgggtgt gtgagatgga gccttgcccta gaaggagaag aatgtaagac actccctgac 720
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<210> 5

<211> 292

<212> PRT

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<220>

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<223> GenBank ID No: 1263110

<400> 5

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             20             25             30
Tyr Ser Cys Phe Trp Thr Lys Tyr Met Asn His Leu Thr Val His

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| | | |
|---|-----|-----|
| 35 | 40 | 45 |
| Asn Arg Glu Val Leu Tyr Glu Leu Ile Glu Lys Arg Gly Pro Ala | | |
| 50 | 55 | 60 |
| Thr Pro Leu Ile Thr Val Ser Asn His Gln Ser Cys Met Asp Asp | | |
| 65 | 70 | 75 |
| Pro His Leu Trp Gly Ile Leu Lys Leu Arg His Ile Trp Asn Leu | | |
| 80 | 85 | 90 |
| Lys Leu Met Arg Trp Thr Pro Ala Ala Asp Ile Cys Phe Thr | | |
| 95 | 100 | 105 |
| Lys Glu Leu His Ser His Phe Phe Ser Leu Gly Lys Cys Val Pro | | |
| 110 | 115 | 120 |
| Val Cys Arg Gly Ala Glu Phe Phe Gln Ala Glu Asn Glu Gly Lys | | |
| 125 | 130 | 135 |
| Gly Val Leu Asp Thr Gly Arg His Met Pro Gly Ala Gly Lys Arg | | |
| 140 | 145 | 150 |
| Arg Glu Lys Gly Asp Gly Val Tyr Gln Lys Gly Met Asp Phe Ile | | |
| 155 | 160 | 165 |
| Leu Glu Lys Leu Asn His Gly Asp Trp Val His Ile Phe Pro Glu | | |
| 170 | 175 | 180 |
| Gly Lys Val Asn Met Ser Ser Glu Phe Leu Arg Phe Lys Trp Gly | | |
| 185 | 190 | 195 |
| Ile Gly Arg Leu Ile Ala Glu Cys His Leu Asn Pro Ile Ile Leu | | |
| 200 | 205 | 210 |
| Pro Leu Trp His Val Gly Met Asn Asp Val Leu Pro Asn Ser Pro | | |
| 215 | 220 | 225 |
| Pro Tyr Phe Pro Arg Phe Gly Gln Lys Ile Thr Val Leu Ile Gly | | |
| 230 | 235 | 240 |
| Lys Pro Phe Ser Ala Leu Pro Val Leu Glu Arg Leu Arg Ala Glu | | |
| 245 | 250 | 255 |
| Asn Lys Ser Ala Val Glu Met Arg Lys Ala Leu Thr Asp Phe Ile | | |
| 260 | 265 | 270 |
| Gln Glu Glu Phe Gln His Leu Lys Thr Gln Ala Glu Gln Leu His | | |
| 275 | 280 | 285 |
| Asn His Leu Gln Pro Gly Arg | | |
| 290 | | |